Steam Navigation, Commerce, Finance, Banking, Machinery, Mining, Manufactures.

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The Varieties of Steel.

Originally the word steel was applied only to iron which contains such quantities of carbon as would cause hardening when the redhot iron was cooled suddenly. This definition still applies, but, in addition, the term cast steel applies to all of the products of the crucible, the Bessemer converter, and the openhearth furnace, whether such products are too low in carbon to harden or not. The steels that are not cast steel are known in the market as blister steel, German steel, shear steel and double shear steel. Blister steel is made by heating bars of wrought iron, bedded in charcoal, in hermetically sealed chambers. The carbon of the charcoal penetrates the hot iron, converting it into a crystalline mass of crude steel; large blisters rise on the surfaces of the bars, giving the name blister steel to this product. German steel is blister steel rolled down into bars. It is used mainly for tires and common springs, but is being rapidly superseded by the cheaper grades of cast steel. Shear steel is made by taking a high heat on blister steel and hammering it thoroughly. Double shear steel is made by cutting up shear steel, piling it, heating it, then hammering again. The best shear steel is made from the best wrought iron. The sheer steels are very useful onaccount of their toughness and the ease with which they can be welded to iron; and, when of good quality and well worked, they will hold a very fine edge. Crucible steel is made by melting in a crucible either blister steel, or blister steel and wrought iron, or wrought iron and charcoal, or wrought iron or scrap steel, or, in short, a great variety of mixtures, which depend on the quality of steel to be produced. Crucible steel can be applied to any purpose for which steel is used. Generally, it is better than any other steel-that is to say, crucible steel made by melting blister steel and tempered to suit by mixing iron of the same grade in the crucible, is always better than German or sheer steel made from the same blister.

Bessemer steel is made by blowing air through melted cast iron, thus burning silicon and carbon out of the cast iron. After the silicon and carbon are burned out, melted spiegeleisen or ferro -manganese is added to the charge. The carbon in the spiegel recarbonizes the steel to the desired point, and the manganese unites with and removes the oxygen which the air used leaves in the steel. Open-hearth steel is made by melting, in a very hot furnace, a

charge of pig-iron. To this melted iron, which is called the "bath," is added either wrought iron, or scrap steel, or iron ore, and the whole is kept hot until all is melted. The wrought iron or scrap, or ore, reduces the carbon or silicon in the bath to such proportions as are desired in the steel. Bessemer and open-hearth steel are much alike in quality. They are used mainly for rails, boiler plates, ship plates, bridge and other structural purposes and machinery. The better qualities are also used largely for springs. The best spring steel, like the best tool steel, is simply that which is made from the best material. Quality of material, chemically speaking, being equal, the best spring steel is that which is made rfom crucible cast steel, as the crucible process is less crude than either of the others.

Electricity as a Motive Power.

A correspondent of the London Times, writing of the Electric Exhibition at Paris under date of September 14, says:

"During the last few days a number of new machines have been in action to show the different applications of electricity as a motive power. This is a special branch of the subject, which will attract a large number of visitors. Most of the machines of this class are in the northwest corner of the building. Here the ploughing machine of M. Menier is exhibited by M. Felix, and, although it does not actually plough the ground, it is interesting to see the way in which the electro-motor drags the plough with three shares across the space devoted to it, while a workman sits in it and guides its direction. Then there is a circular saw driven by electricity. The diameter of the saw is three feet, and the planks upon which it works are five inches thick. M. Piat exhibits in the same part of the building a stone cutter and an electrical hammer, which does all the work usually assigned to a steam hammer. Close to these machines is another for pumping water, driven by a Gramme motor; the large volume of water which is thrown out conveys to the eye some idea of the great force which can be transmitted by electricity, although in reality this machine does not require nearly so much force as many other motors in the exhibition. In the same corner we find a number of machines for sewing and for driving band-saws, and so forth, all driven by the convenient little motor of M. Deprez. There is also an embroidering machine, which is more interesting from be eight miles per hour,

its mechanical construction than from its being driven by electricity. Near to this spot there is also a rock-drilling machine, for use with black diamonds; the drill rotates under the influence of a Gramme machine; and while a hole is being bored it advances under the influence of the water pressure obtainable in Paris, which is about three atmospheres."

The History of Coke.

The history of the discovery of coke and the development of the traffic has never been written. Authentic information of the first use of coke in this country places it in 1817, when it was employed by Col. Isaac Meason, one of the earliest founders of western Pennsylvania, in refining iron at the Plumsock, or Upper Middletown mill, in this county, a few miles from the Youghiogheny river. In 1818 the use of coke was attempted by blast furnaces, but it had to be abandoned because the blast was too light, being only five pounds to the square inch. Even then the value of coke as a furnace fuel was fully appreciated, but the enjoyment of its advantages was prevented by inability to increase the blast. In 1835 William Firmstone manufactured good gray forge iron at the Mary Ann furnace, in Huntingdon county, with coke produced from Broad Top coal. In the same year F. H. Oliphant, of Fairchance furnace, near Uniontown, exhibited at the Franklin Institute, Philadelphia, samples of iron made from blue lump ore smelted with coke. In 1840 the Great Western Iron Works, at Brady's Bend, built four coke furnaces. In 1841-2 coke was made on the banks of the Youghiogheny River and shipped in flat boats to Cincinnati. A gentleman who is well in-formed in all the details of the coke business says that Dud Dudley, an English iron manufacturer of the sixteenth century, is entitled to the discovery of coke. He used it for the same purpose to which it is applied now, smelting. The manufacture of coke in the Connellsville region did not rise to the dignity of a business until toward the close of the decade of 1850, when it was carried on principally at Dawson's Station, on the Youghiogheny River, six miles below Connellsville, by the Cochrans, who are still in the business, and to most of whom it has brought great riches.—Philadelphia Press.

The first electric railway in Upper Silesia is about to be opened. It has been constructed by Siemens & Halske, for the Donnersmarckhutte Company, to supersede their ordinary colliery horse railway. The current is convey-ed by wire ropes supported on poles in the same manner as telegraph wires. On the wires run small contact carriages, connected with the locomotive by wires. The maximum speed will

U. S. District Court, N. D. Ill.

SANDY ALSTON V. ANCHOR LINE S. S. Co. RIGHTS OF PASSENGERS-TICKET EVI-DENCE OF CONTRACT—CIVIL RIGHTS

A ticket of passage is the evidence of the contract between the purchaser and the carrier, and parol testimony as to prior conversations is inadmissible to vary the terms of the contract as set forth in the ticket.

In an action brought under the provisions of the Civil Rights Bill, if the jury believe that the plaintiff has been unlawfully deprived of his rights, they are to assess his damages at the sum named in the statute.

It is left to the jury to determine from the evidence whether or not the plaintiff, after being excluded from the table as alleged, waived his right to recover by accepting a return of a part of the money paid for passage, or whether, if he did accept the money, it was not, in view of all the circumstances, received under such duress as would relieve the plaintiff from the contract thereby sought to be created.—ED. CHICAGO LEGAL NEWS.

CHARGE TO THE JURY.

BLODETT, J .- Gentlemen of the Jury: The plaintiff in this case charges that during the season of navigation, in the year 1877, he, being a colored man or negro, purchased at the defendant's ticket office, in this city, a ticket entitling him to a first-class passage on one of the defendant's boats, from Chicago to Detroit, that he paid full fare for a first-class ticket, and that, in pursuance of this, he took passage upon the steamer "Japan," one of the defendant's boats, and on the morning after he took such passage took his seat at the breakfast table in the cabin, with the other first-class passengers, and was forcibly compelled by the captain to leave his seat, and was denied the privilege of the table during the trip.

On the part of the defendant, it is contended that prior to the purchase of the ticket, plaintiff was told that men of his color would not be allowed to eat at the first table, but would have to eat with the servants on the boat, and that plaintiff consented to this arrangement; and further, that after plaintiff was excluded from the table on the boat, he was tendered back and accepted one-half the fare which he had paid, and agreed not to demand the right to sit at the first table.

The only disputed questions are whether the plaintiff agreed, before he bought his ticket. that he would not go to the first table on the boat; and whether he actually accepted back part of the purchase money from the captain, with the understanding that he would waive his right to sit at the first table.

The plaintiff's proof tends to show that when he went to buy his ticket he asked defendant's agent if there would be any difficulty on account of his color, and was told that his rights there would be the same if he paid first-class fare as that of any other first-class passenger, and that they would treat him as well as they would treat General Grant, and that he bought the ticket upon that assurance. The proof on plaintiff's part also tends to show that, although the captain, after excluding him from the table, offered him back some part of his passage money, he refused to take it, and did not actually take it.

All parties agree that the ticket sold and delivered to the plaintiff was the same as defendant sold to any other first-class passenger, and Of course if you find from the evidence, which upon its face entitled him to all first-class ac-

to meals at the first table with the other firstclass passengers.

Upon these conceded facts I see no reason why this part of the case does not fall within the rule that parol evidence will not be allowed to void a written contract-for a printed ticket is the same as a written contract—and all previous talk or negotiation must be excluded and the contract of the parties must be considered as embodied only in the ticket or written instrument. This ticket was the evidence which the defendant gave the plaintiff of his rights as a passenger on its steamer. The ticket is the contract between the parties, and not the conversation before buying the ticket. There is really no controversy as to the fact that the plaintiff was denied the right to eat at the first table. It may then be taken as conceded that the plaintiff held a first-class ticket but was denied the rights to which that ticket entitled him. And the testimony as to the conversation between the ticket agent and plaintiff before the ticket was purchased should be disregarded, because it only tends to prove a different contract from that shown by the ticket.

In regard to the point that the plaintiff accepted back a part of his fare after the difficulty crose in reference to his sitting at the table, the testimony appears to be this: The plaintiff and his witness Mr. Anthony, testify that he did not accept this money. The captain and some of the other witnesses on the part of the defendant say that he did take the money that was offered him by the captain. Here is a conflict of testimony which you must settle.

It also appears that this money was not offered back to the plaintiff until after he had been compelled to leave the table by the captain. It is for you to say, under the circumstances in this case, whether this was such an acceptance, even if he did accept the money, as makes a new contract between the parties. The defendant contends that by accepting this money back the plaintiff virtually made a new contract with the officers of the boat, by which he, in effect, stipulated or agreed, impliedly, at least, not to claim the privileges of the first table.

In order to determine whether such a contract was made, you must consider the circumstances surrounding the case. The plaintiff was alone upon this boat, the captain arbitrarily had excluded him from the rights to which his ticket entitled him, and the testimony tends to show that he was threatened with personal violence in case he insisted upon those rights.

Now it is for you to say in the light of these surrounding facts whether the parties stood in such relations of equality as to to make a binding contract out of the mere tender of this money back, even if the plaintiff accepted it. You are to say whether this man, alone upon this vessel, with an imperious and arbitrary officer, excluding him from his contract rights, is to be impliedly bound by any arrangement which he made under such circumstances in the haste and excitement of such an occasion. is contradictory, that the plaintiff did not accommodations of the boat, including meals at cept the money back, then, no such contract the first table. But the defendant insists that as is claimed by the defendant was made or the plaintiff expressly agreed to waive his right! would be implied. But even if he did accept! not recover in this case.

the money back and you find that he accepted it under compulsion, as it were, under a threat that he could not have the rights for which he had paid, and the only alternative given him was that he must keep away from the table and might, if he chose, accept this money then you are to say whether such an occurrence would make a contract which would bind the plaintiff and be a waiver of his rights.

If you find from the testimony that the plaintiff did intelligently, and without any fear or under intimidation, accept back one-half the fare, so that the amount of money which he paid would entitle him to second class fare only, and agreed, expressly or impliedly, to waive his right to sit at the first table, then the contract is thereby modified or changed from that of a first class ticket to that of a second class ticket, the plaintiff's rights are changed accordingly. While, if you find that this money was not accepted by the plaintiff, or if it was accepted, it was accepted under such circumstances of intimidation as to show that he did not understand that he was making a new contract, then no defense arises to the defendant from this circumstance.

I have said this much without reference to any enactment by Congress affecting the rights of these parties, but simply upon the common law rights of the parties under this contract without regard to the color, condition in life, or nationality of the plaintiff. The common law recognizes the rights of equality between those who pay a common carrier for the same accommodations. The carrier fixes the rates at which he will furnish first class and second class accommodations to passengers, and, if any man, without regard to color, pays first class fare, it entitles him to first class accom-modations. If he pays only second class fare he can only demand second class accommodations from the carrier.

This action has been framed under the provisions of what is known as the Civil Rights Bill, passed by Congress, and approved on the first of March, 1875, the two first sections of which read as follows:

"Sec. 1. That all persons within the jurisdiction of the United States shall be entitled to the full and equal enjoyment of accommodations, advantages, facilities and privileges of inns and public conveyances on land and water, and theatres and other places of public amuse-ment, subject only to the conditions and limi-tations established by law, and applicable alike to citizens of every race and colo r, and regard-

less of any previous condition of servitude.
"Sec. 2. That any person who shall violate
the foregoing section by denying any citizen, except for reasons by law applicable to citizens of every race and color, and regardless of any previous condition of servitude, the full enjoyment of any of the accommodations, advan-tages, facilities or privileges in said section enumerated, or by aiding or inciting such denial, shall, for every such offense, forfeit and pay the sum of \$500 to the person aggrieved thereby, to be recovered in an action of debt with full costs."

If, therefore, you find from the evidence that plaintiff's ticket entitled him to eat at the first table, and that he was not allowed to do so, and did not waive that right by any subsequent agreement, then defendant is liable, and the damages should be assessed at the amount fixed

by the statute.

If, on the contrary, as I have already said, you find that the plaintiff did actually accept back a portion of this passage money, with the understanding that he was to waive his right to the privileges of the first table, then he can-



TIBLISHED WEEKLY BY THE

AMERICAN RAILROAD JOURNAL CO., At 23 Liberty Street, New York.

Subscription, per annum, in advance...... \$5 00 Foreign Subscription, including postage...... 6 00

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Mr. FREDERIC ALGAR, Nos. 11 and 12 Clements Lane, Lombard Street, London, E. C., England, is the authorized European Agent for the Journal.

New York, Saturday, October 15, 1881.

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OURSELVES.

DURING the fiftieth year of the AMERICAN RAILROAD JOURNAL, changes have occurred in its management and its general make-up which start it off in its second half century with additional strength and with new features that give it a somewhat broader character than it has aimed at in the past. Since the paper was first started, in 1831, there have been remarkably few changes in its management, one of the parties now connected with it having been interested in the paper from its earliest days, and much of the time its sole proprietor. A year ago a company was formed for the purpose of extending the field of the paper, and during that time plans have been developed which, with others just started under most favorable circumstances, will doubtless result in making the coming years of the Journal even more prosperous and useful than the past years of successful labor have proved.

Within the past few weeks the company having the proprietorship of the paper has been greatly strengthened by the accession of new parties identified with one of the largest commercial and manufacturing houses of the city, who bring to the paper, in addition to capital, a practical experience in newspaper work and business connections, which will naturally place before the paper new fields for its future occupancy and development. The Journal, standing as it

paper in the world, is now better able than it has ever been before to occupy that position to the advantage of the interests it represents.

Several changes, which are readily apparent, have been made recently in the appearance of the paper, but they have been made hurriedly and have not yet indicated fully the plans in progress. As to the typographical part, it is the aim of the new management to present to their patrons a readable paper. It is not intended to make it necessarily an illustration of the advancement in the printer's art, but rather to make it, in type and form, of such a kind as to be the most easy and convenient for the eye and the hand of the reader. New features have been added to the contents of the paper from time to time during the past year, and in the near future others will be adopted, which it is believed will prove of value. The bond and share list tables, which previous to this year had so regularly and for so long a time appeared conspicuously in the paper, are removed, that their form and contents may be improved and made of more interest. It is not intended to omit from the paper any information for which in the past it has been especially valued, but rather to give such and additional information in more desirable form. With this end in view much of the tabulated matter, when it appears hereafter, will be published in supplementary form from time to time.

THE AMERICAN RAILROAD JOURNAL started with the first one hundred miles of railroad in this country, and has seen the number of miles increased to nearly one thousand times as many. Growing up with our vast railroad system, the paper has ever aimed to be a faithful chronicler of the important events in its development, and into this aim has been put so much of honest work that there is to-day no more complete history of railroading in this country to be found than is furnished by the files of the Jour-NAL. The appreciation which this work has met with is shown by the position it has earned for itself, not only among American capitalists, but among foreign banking houses, especially in Great Britain and Germany, and by the fact that authorities like Herapath's Railway Journal, of London, and Chambers' Encyclopædia recommend it as an outspoken journal and a valuable work for referdoes in the position of the oldest railroad ence. With perfect freedom from all Kentucky, North Carolina and Virginia, with

entanglements of cliques or parties maintained, the present management hope to merit the favor of the old-time patrons of the Journal while seeking additional support in new fields auspiciously opening to it.

Flanging Boiler Heads.

The study of the causes and nature of the defect known as grooving, as well as the character and appearance of the fractures which frequently occur in the flanges of heads or tube sheets, and other parts of boilers where flanging is done leads to the conclusion that flanges, as ordinarily turned, are very much too sharp, or turned to too short a radius: The evil effect upon iron of bending it too sharply may be shown by a diagram which represents a full size section of a tube sheet, at the angle or flange, bent to a radius equal to about the thickness of the plate, as frequently found in practice. Indeed. the sheets are frequently found with a still shorter bend, sometimes almost a sharp corner on the inside. The effect of this is to unduly strain the iron, both on the outside and inside of the flange, the outside being under a combined tensile and bending strain generally to such an extent that a section of the flange shows a laminated appearance, caused by the layers of the plate being separated and sliding upon each other, while the outside of the plate, unless of extra fine iron worked with more skill than is usual, if examined closely, will be found to be filled with small cracks having the appearance of season checks, as seen in timber. The inside of the flange, on the contrary, is in a state of undue compression, the fibres being crushed and buckled up. The effect of too sharp flanging may easily be shown; by taking a narrow strip of boiler plate and bending it sharply the effect will be very marked. This disturbance of the fibres and laminæ of the iron renders it peculiarly susceptible to the corrosive actions of the acids present to a greater or less extent in all waters, the result being manifested by grooving or channelling and fracture along the angle of the flange caused by the combined action of grooving, and the "working" caused by variations of pressure and contraction and expansion .- The Locomotive.

Virginia, Tennessee and Georgia Air Line Railroad.

A contract was signed in this city on the 28th ult. between E. W. Cole, President of the East Tennessee, Virginia and Georgia Railroad Company, G. W. Tyler, President of the Norfolk and Western Railroad Company, and F. J. Kimball, President of the Shenandoah Valley Railroad Company, embracing in all 2,138 miles. which unites permanently these properties under the name of the Virginia, Tennessee and Georgia Air Line, President E. W. Cole and President F. J. Kimball constituting an executive committee for the whole line, who have appointed Henry Fink general manager. The united lines penetrate seven States, to wit -Tennessee, Alabama, Mississippi, Georgia,

all rail routes to the East, via the Virginia Midland, and from Norfolk to Meridan, Miss., from Norfolk via Rome, Atlanta and Macon to Brunswick, Ga., on the Atlantic and to Florida, to Louisville and Cincinnati via the Knoxville and Ohio, a division of the East Tennessee, Virginia and Georgia railroad, and into North Carolina by another division of the East Tennessee, Virginia and Georgia railroad.

Organization.

THE Directors of the Portsmouth and Concord Railroad Company, elected on the 6th inst., are: Stephen Kenrick, Franklin; Samuel N. Bell, Manchester; Benjamin F. Martin, Manchester; Joseph B. Walker, Concord; Walter M. Parker, Manchester; John J. Pickering, Portsmouth; John J. Bell, Exeter. The Treasurer reported \$1,582.90 on hand. The road is operated under a lease by the Concord Railroad Company.

THE certificate of incorporation of the Cumberland, Washington and New York Railroad Company was filed at the Executive Department, Annapolis, Md., on the 5th inst. The termini are at Cumberland, in Allegany County, Md., and at Washington and Point Lookout. The capital stock is fixed at \$5,000,000. The incorporators are S. Taylor Suit, Sidney S. Wales and George W. Dimmock, of Prince George's County, Md., and William J. Muntagle and James Read, of New York.

SAMUEL ABBOTT has been elected President and D. W. C. Clement Secretary of the Salem (N. J.) Railroad Company. The Directors are: D. W. C. Clement, Samuel Abbott, Charles E. Elmer, Joseph N. Dubois, Richard Grier, Strickland Kneass, Coleman F. Leaming, Thos. Sinnickson, Jr., Samuel Prior, William J. Sewell, Josiah Wister, T. Jones Yorke and Quinton Keasby. The road is to be extended across Salem Creek to East Griffith street in the city.

THE following gentlemen have been elected Directors of the Nevada and Oregon Railroad Company to fill vacancies: C. A. Bragg, G. L. Woods, W. D. Balch, S. C. Scoville, F. F. Fowler, A. H. Manning and H. J. McMurray.

ARTICLES of incorporation were filed on the 7th inst. in the office of the Secretary of State of Illinois of the Neoga and Southeastern Railroad Company. The incorporators and first board of Directors are: Tracy Kingman, S. F. Wilson, W. W. Whitney, W. B. Phillips, D. W. Ragsdale, P. Welshimer, Cyrus D. Greene, M. Votaw, G. W. Albin, H. C. Marshall, F. D. Vons, Henry A. Aldrich and W. H. Singer, all of Neoga. The capital of the company is \$200,000. It is proposed to construct a railroad from the village of Neoga, in Cumberland County, through the County of Cumberland and into the counties of Effingham and Jasper, to a point where said railway shall join or intersect the Springfield, Effingham and Southeastern Railroad.

The Missouri Northern Railroad Company has been incorporated, with a capital of \$600,-000. The stockholders are: Messrs. Wyatt, Durfee, McKillop, Dopf, Lewis and Hunter, of Rockport, Mo., and Messrs. Carson, Bailey,

miles, and is of standard gauge. It begins on the east bank of the Missouri River, opposite Brownsville, Neb., and runs thence in an easterly direction by the way of Rockport, in Atchison County, through Atchison and Nodaway counties, to a point at or near Burlington junc-

THE People's Railway Company of Springfield, Mo., has been incorporated by the Secreretary of State, with a capital of \$4,000. This is a street horse railroad, and will run from Springfield to North Springfield. The shareholders are Messrs. Shepherd, McAfee, Cravens and Massey, of Springfield.

ARTICLES of consolidation have been filed of the following railroad companies: Chicago and West Michigan Railroad Company; Grand Rapids, Newaygo and Lake Shore Railroad Company; Grand Haven Railroad Company and the Indiana and Michigan Railroad Company-the new company taking the name of Chicago and West Michigan Railroad Company; capital stock \$600,000, with directory headed by Nathaniel Thayer, Secretary.

Personal.

THE Brotherhood of Locomotive Engineers will hold its annual convention at Baltimore, Md., on the 19th inst. The headquarters will be at the Carrollton House, but the meetings will be held at Grand Army Hall. Most of the roads will pass the delegates and their wives to and from the convention on presentation of proper credentials.

THE National Board of Steam Navigation, recently in session at Washington, appointed delegates to the Mississippi River Improvement Convention, which meets on the 20th inst., at St. Louis, Mo. Officers were elected for the ensuing year, as follows: President, E. W. Gould, St. Louis, Mo.; First Vice-President, R. H. Wooltolk, Louisville, Ky.; Second Vice-President, J. B. Coyle, Portland, Me.; Third Vice-President, J. N. Bofinger, St. Louis, Mo.; Secretary, B. S. Osborn, New York; Treasurer, F. W. Nickerson, Boston, Mass.

WILLIAM A. BALDWIN has been appointed Manager of the Pennsylvania Railroad. The office is a new one, and the duties are of a character which will greatly relieve General Manager Thomson, of the Pennsylvania Railroad, and General Manager Caldwell, of the Pittsburg, Cincinnati and St. Louis lines, over which his authority will also extend.

Mr. JAY GOULD has been elected a Director of the National Stock Yards at East St. Louis.

AT the Autumn meeting of the Iron and Steel Institute, London, on the 11th inst., Capt. D. N. Jones, of Pittsburg, read a paper on the manufacture of steel and steel rails in America.

A. J. DREXEL has been elected one of the Trustees of the Peabody Educational Fund in place of George W. Riggs, deceased. Among the Trustees are Ex-Presidents Grant and Hayes, Hon. Hamilton Fish, Hon. William M. Evarts, Hon. R. C. Winthrop.

THE Grand Division of the Order of Railway Conductors concluded their fourteenth annual

Grand chief conductor, C. S. Wheaton, Elmira; assistant grand chief conductor, P. E. Fitzgerald, St. Louis; grand secretary and treasurer, W. P. Daniels, Cedar Rapids; grand senior conductor, S. H. Detories, Toronto; grand junior conductor, W. L. Dunn, Scranton; grand inside sentinel, W. H. George, Houston, Tex.; grand outside sentinel, W. A. Webster, St. Thomas, Ont.; executive committee, C. R. Ashton, Council Bluffs; H. S. Chapman, Buffalo.

The Coal Trade.

The leading coal carrying companies make the following reports of their tonnage for the week ending October 1, and for the year to same date, compared with their respective amounts carried to the same date last year:

ı	AT A PROPERTY OF THE PARTY OF T	Week.	1881.	1880.
Ì	Reading Railroad	159,871	6,452,757	5,694,466
	Schuylkill Canal	14,257	444,395	369,726
	Lehigh Valley	86,914	4,625,602	3,657,542
	Delaware, Lackawanna and			- 1
j	Western	81,952	3,118,865	2,527,424
1	Shamokin	23,407	806,402	640,790
	Central R. R. of New Jersey	85,090	3,208,623	2,694,232
	United R. R. of New Jersey	28,126	1,147,512	832,805
	Pennsylvania Coal	31,907	1.010.975	809,123
	Delaware and Hudson Canal	70,238	2,639,763	2,180,421
	Huntingdon and Broad Top			-,,
	Mountain	11.346	394,589	329,731
	Penn, and New York		1.187,522	880,111
	Clearfield, Pa	*****	1.743,651	1.192,002

The total tonnage of a thracite coal from all the regions for the weak ending Oct. 1, as reported by the several carrying companies, amounted to 541,435 tons, against 535,962 tons in the corresponding week last year, an increase of 5,473 tons. The total amount of anthracite mined for the year is 20,528,249 tons, against 16,819,922 tons for the same period last year, an increase of 3,708,327 tons. No reports of bituminous coal shipments have been received. excepting those of the Cumberland region noted below. The total amount of bituminous mined for the year is 3,554,060 tons, against 3,156,693 tons for the corresponding period last year, an increase of 397,367 tons. The total tonnage for the coal year is 24,082,309 tons, against 19,976,615 tons to same date last year, an increase of 4,105,694, tons. The quantity of coal and coke carried over the Pennsylvania Railroad for the week ending October 1 was 158,302 tons, of which 118,631 tons were coal and 39,671 tons coke. The total tonnage for the year thus far has been 6,708,601 tons, of which 4,911,074 tons were coal and 1,797,-527 tons coke. These figures embrace all the coal and coke carried over the road east and west. The shipments of bituminous coal from the mines of the Cumberland coal region during the week ended October 1 were 49,617 tons, and for the year to that date 1,543,545 tons, a decrease of 17,537 tons as compared with the corresponding period of last year. The coal was carried to tidewater as follows: Baltimore and Ohio Railroad-week, 29,635 tons; year, 1,-000,019 tons; increase compared with 1880, 77,-726 tons; Chesapeake and Ohio Canal-week, 13,304 tons; year, 333,273 tons; decrease compared with 1880, 134,624 tons. Pennsylvania Railroad—week, 6,677 tons; year, 209,049 tons; increase compared with 1880, 38,159 tons. The Reading Railroad shipment for last week, ending October 8th, was 183,000 tons, of which Johnson and Broady, of Brownsville, Neb. The meeting at Buffalo, N. Y., on the 7th inst. The 48,500 tons were sent to and 51,000 tons shiplength of the road, when completed, will be 37 following are the officers for the ensuing year : | ped from Port Richmond, and 16,000 tons sent

to and 15,900 tons shipped —Phil. Ledger, Oct. 10.	from Elizab	ethport.	RECAPITULATION. Amount Outstanding. In
Statement of the Pu United States, Oc			Debt bearing interest in coin, viz: Bonds at 6 per cent., continued at 3% per cent. \$178,055,150 00
	San		Bonds at 5 per cent, con- tinued at g½ per cent. 400,869,950 00
DEBT BEARING I		lccrued	Bonds at 5 per cent 10 899 350 00
6 per cent loan, 1861-'81,	standing.	Interest.	Bonds at 4½ per cent 250,000,000 00 Bonds at 4 per cent 738,710,850 00
continued at 3 % per ct. \$127, 6 per cent loan 1863-'81	597,200 00 \$1,	116,475 50	Refunding certificates 636,950 00 Navy pension fund, 3 p.c 14,000,000 00
continued at 3 % per ct 50,	157,950 00	441,507 06	\$1,593,102,250 00 \$14,6
5 per cent funded loan of 1881 400,	869,950 00 1,	937,545 02	Debt on which interest has
5 per cent funded loan of	829,350 00 .		
1½ per cent funded loan			Debt bearing no int., viz: Old demand and legal-
4 per cent funded loan of		937,500 00	tender notes
4 per cent refunding cer-		387,108 50	Coin & silver certificates. 69,398,830 00 Fractional currency 7,098,506 02
3 per cent navy pension	,000,000 00	6,369 50	\$431,553,392 02
	,000,000 00	105,000 00	Unclaimed interest
Aggregate of debt bear- ing interest\$1,593, Interest due and unpaid		,931,505 58 ,143,883 42	\$2,034,695,237 28 \$14, Total debt, principal and interest to date, including interest due and unpaid\$2,049,
DEBT ON WHICH INTEREST HAS	CEASED SINCE	MATURITY.	AMOUNT IN TREASURY.
		terest due	Interest due and unpaid \$2,
4 to 6 per cent. old debt, 1837.	\$57,665 00	& unpaid. \$64,174 81	Debt on which interest has ceased 10, Interest thereon
5 per cent. Mexican indem- nity stock, 1846	1,104 91	85 74	Gold and silver certificates
6 per cent. bonds, 1847 6 per cent. bounty land scrip,	1,250 00	22 00	tificates of deposit
1847 5 per cent. Texas indemnity	3,275 00	213 06	Cash balance available October 1, 1881 160,
bonds, 1850	20,000 00	2,945 00	\$250, Debt, less am't in Treas'y Oct. 1, 1881\$1,798,
5 per cent. bonds, of 1858 5 per cent. bonds, of 1860	8,000 00 10,000 00	600 00	Debt, less am't in Treasury Sept. 1, 1881. 1,816,
6 per cent. 5-20 bonds, 1862, called	371,800 00	538 00	Decrease of debt during the month \$17,
6 per cent. 5-20 bonds, June, 1864, called	58,750 00	172 69	Decrease of debt since June 30, 1881 \$41,
6 per cent. 5-20 bonds, 1865,			BONDS ISSUED TO THE PACIFIC BAILBOAD COMP
5 per cent. 10-40 bonds, 1864,	77,050 00	18,915 52	TEREST PAYABLE IN LAWFUL MONEY.
called	550,550 00	113,289 57	Amount
1865, called	438,350 00	8,045 52	Outstanding. Central Pacific bonds, 1862-64\$25,885,120 00 \$
1867, called	1,245,000 00	209,512 16	Kansas Pacific bonds, 1862-64 6,303,000 00
6 per cent. Consol. bonds, 1868, called	390,150 00	27,660 57	Union Pacific bonds, 1862-64 27,236,512 00 Cent. Branch Union Pacific
6 per cent. loan, Feb. 8, 1861, matured Dec. 31, 1880	191,000 00	834 00	bonds, 1862-64
5 per cent. funded loan, 1881, called	3,272,750 00	215,563 00	Sioux City & Pacific bonds, 1862-64
Oregon War Debt, March 2, 1881, matured July 1, 1881.	149,950 00		
6 per cent loan of July 17 and	120,000 00	5,607 43	Totals\$64,623,512 00 \$ Interest paid by the United States, \$51,467,2
Aug. 5, 1861, matured June 30, 1881	1,908,600 00	4,829 96	terest repaid by transportation of mails &c.
6 per cent. loan of March 3, 1863, matured June 30, 1881.	712,700 00	30,684 55	125 84; interest repaid by cash payments: 5 net earnings, \$655,198 87; balance of interest United States, \$36,325,947 31.
1-10 to 6 per cent. Treasury	82,525 35	2,668 06	The foregoing is a correct statement of t
notes, prior to 1846 1-10 to 6 per cent. Treasury		45 4	debt, as appears from the books and Treasurer in the Department at the close of business,
notes, 1846	6,000 00 950 00	206 00 57 00	190 1991 H F Francer
3 to 6 per cent. Treasury notes, 1857	1,700 00	99 00	
6 per ct. Treasury notes, 1861. 7 3-10 per cent. 3 years' Treas-	3,000 00	364 50	
ury notes, 1861	16,300 00 43,675 00	1,104 43	
5 per cent. 1 year notes, 1863 5 per cent. 2 year notes, 1863.	35,260 00	2,195 85 1,784 80	
6 per ct. compound interest notes, 1863-64	228,690 00	46,633 49	10.
7 3-10 per cent. 3 years' Treas- ury notes, 1864-65	141,600 00	4,891 61	not comings of the Northern Control
6 per cent. certificates of in-		- 1	for the month of August—
debtedness, 1862-63 4 to 6 per cent. temporary loan, 1864	4,000 00	253 48	Gross cornings \$400,000 to
loan, 1864 3 per cent. certificates, called.	2,960 00 5,000 00	244 19 394 31	Onerating evnenges 409 679 49
Aggregated of debt on which	1		Net earnings \$94,335 10
Interest has ceased since maturity	\$10,039,595 26	\$764,590 30	-showing an increase in earnings of
DEBT BEARING N			01, with an increase in expenses of \$7
Demand notes, 1861-62 Legal tender notes, 1862-63	\$60,040 00 346,681,016 00		making a decrease in the net earning
Certificates of Deposit	8,315,000 00		621 82.
Coin certificates, 1863			For the eight months ending with
Unclaimed interest		7,256 5	
Fractional currency, 1862, 1863 and 1864 \$15,474,440 02 Less amount es-			earnings were:
timated as lost			Gross earnings\$3,600,687 94 \$3
or destroyed, act of June,			Operating expenses 2,402,628 18
21, 1879 8,375,934 00	The state of		Net earnings\$1,198,059 76
	7,098,506 02		-showing an increase in earnings of
The second secon			70, in expenses of \$255,811 76, and in

	The second secon
RECAPITULATION.	Imports of Dry Goods at New York.
Amount Outstanding. Interest.	The Imports of Foreign Dry Goods at New
ebt bearing interest in coin, viz:	York for the month of September, were:
onds at 6 per cent., con- tinued at 3½ per cent. \$178,055,150 00	ENTERED FOR CONSUMPTION.
onds at 5 per cent, con-	1879. 1880. 1881. Manufs. of wool \$1,828,100 \$1,714,521 \$2,025,466
tinued at 8½ per cent. 400,869,950 00 onds at 5 per cent 10,829,350 00	Manufs. of cotton 1,303,800 1,385,117 1,664,868
onds at 4½ per cent 250,000,000 00 onds at 4 per cent 738,710,850 00	Manufe. flax 1,309,447 756,309 1,150,570
efunding certificates 636,950 00	Miscell. dry goods 541,179 713,184 888,511
avy pension fund, 3 p.c 14,000,000 00	Total ent. for con-
\$1,593,102,250 00 \$14,075,389 00 ebt on which interest has	sumption \$7,918,048 \$7,420,954 \$9,120,200 WITHDRAWN FROM WARRHOUSE,
ceased since maturity. 10,039,595 26 764,590 30	1879. 1880. 1881.
ebt bearing no int., viz:	Manufs. of wool \$795,560 \$1,181,035 \$981,377 Manufs. of cotton 282,429 398,226 233,392
ld demand and legal- tender notes \$346,741,056 00	Manufs. of silk 497,663 796,869 473,909 Manufs. of flax 321,561 508,105 357,925
ertificates of deposit 8,315,000 00 oin & silver certificates, 69,398,830 00	Miscell. dry goods. 143,278 227,118 191,019
ractional currency 7,098,506 02	Total withdr'n from
\$431,553,392 02	warehouse \$1,990,491 \$3,111,353 \$2,237,622 Add ent. for con 7,918,048 7,420,594 9,120,200
nclaimed interest 7,256 51	Total thrown on the
\$2,034,695,237 28 \$14,847,235 81 otal debt, principal and interest to date,	market \$9,908,539 \$10,532,307 \$11,357,831
including interest due and unpaid\$2,049,542,473 09	ENTERED FOR WAREHOUSING.
AMOUNT IN TREASURY.	Manufs. of wool \$609,088 \$1,033,241 \$682,575
nterest due and unpaid	Manufs. of cotton. 169,482 327,375 159,721 Manufs. of silk 483,832 728,164 338,450
nterest thereon	Manufs. of flax 463,513 421,016 341,158
old and silver certificates	Mis. dry goods 437,826 181,536 176,162
tificates of deposit	Total ent. for ware- house \$1,869,741 \$2,691,332 \$1,698,066
\$250,686,547 32	Add entered for con-
bebt, less am't in Treas'y Oct. 1, 1881\$1,798,855,925 77	
Debt, less am't in Treasury Sept. 1, 1881. 1,816,339,567 43	Total entered at port \$9,781,789 \$10,112,286 \$10,818,275
Decrease of debt during the month \$17,483,641 66	The Imports of Foreign Dry Goods at New York for nine months from January 1 were:
Decrease of debt since June 30, 1881 \$41,742,886 21	ENTERED FOR CONSUMPTION.
ONDS ISSUED TO THE PACIFIC BAILBOAD COMPANIES, IN-	1879, 1880, 1881.
TEREST PAYABLE IN LAWFUL MONEY.	Manufs. of wool \$12,070,309 \$16,431,409 \$14,552,410
Amount Interest	Manufs, of silk 19,521,754 24,423,895 22,633,533
Outstanding. not paid.	Manufs of flax 8,635,005 10,756,705 9,525,894 Mis. dry goods 4,807,683 6,779,934 6,514,939
Central Pacific bonds, 1862-64\$25,885,120 00 \$388,276 80 Kansas Pacific bonds, 1862-64 6,303,000 00 94,545 00	Total entered for
Union Pacific bonds, 1862-64 27,236,512 00 408,547 68 Cent. Branch Union Pacific	consumption \$57,757,472 \$76,430,046 \$70,377,282
bonds, 1862-64 1,600,000 00 24,000 00	WITHDRAWN FROM WAREHOUSE. 1879. 1890. 1881.
lioux City & Pacific bonds,	Manufs. of wool \$4,803,388 \$6,107,931 \$6,769 279
1862-64 1,628,320 00 24,424 80	Manufs. of cotton. 2,278,204 3,242,304 3,726,482
Totals\$64,623,512 00 \$969,352 68	Manufacture of Market 2,015,001 0,212,101 4,029,000
Interest paid by the United States, \$51,467,272 02; in-	
erest repaid by transportation of mails, &c., \$14,486,- 25 84; interest repaid by cash payments: 5 per cent.	Total withdrawn from warehouse. \$14,081,174 \$18,996,016 \$20,589,887
net earnings, \$655,198 87; balance of interest paid by United States, \$36,325,947 31.	Add entered for
The foregoing is a correct statement of the public	
lebt, as appears from the books and Treasurer's returns n the Department at the close of business, September	Total thrown on the market \$71,838,646 \$95,426,062 \$90,967,169
O, 1881. H. F. FRENCH, Acting Secretary of the Treasury.	ENTERED FOR WAREHOUSING.
	1879. 1880. 1881. Manufs. of wool \$4,828,275 \$8,588,929 \$5,528,644
Northern Central Railway.	Manufs. of cotton. 2,297,697 3,713,981 3,049,252
Total Contract Manway.	Manufs. of flax 2,606,560 4,990,693 3,566,177
The following is a comparative statement of	Mia dry goods 1 244 788 1 884 894 1 988 999
the gross earnings, operating expenses, and	Total entered for
net earnings of the Northern Central Railway	warehouse 14,389,260 24,370,723 17,463,003 Add entered for
for the month of August—	consumption 57,757,472 76,430,046 70,377,282
1881. 1880.	Total ent. at port. 72,146,732 100,800,769 87,840,285
Gross earnings\$498,006 52 \$453,923 51 Operating expenses 403,673 42 330,966 59	· · · · · · · · · · · · · · · · · · ·
	Chichinati II on Market.
Net earnings \$94,335 10 \$122,956 92	OFFICE OF E. L. HARDER & CO.
—showing an increase in earnings of \$44,085	Cincinnati, Oct. 11, 1881.
01, with an increase in expenses of \$72,706 83,	I The demand is good, stocks light and prices
making a decrease in the net earnings of \$28,-621 82.	firm at the following quotations.
Compared to the second second second second second second	FOUNDRY.
For the eight months ending with August,	
the gross earnings, operating expenses and net	Belong Actional Conc
earnings were:	American Scotch 1 22 50@23 50 4
1881. 1880. Gross earnings\$3,600,687 94 \$3,120,012 24	Neutral Coke 91 00000 50 4
Operating expenses 2,402,628 18 2,146,816 42	
Net earnings\$1,198,059 76 \$973,195 82	CAR WHEEL AND MALLEABLE.
-showing an increase in earnings of \$480,675	Hanging Rock Cold Blast
70, in expenses of \$255,811 76, and in net earn-	Take Cumoriou I and C
ings of \$204 969 04	Southern Car Wheel

New York Stock Exchange,	6s, S. F., 1887	N V & New England 60 60 60 1/ 69
(Thursday's quotations follow money article.)		7s
Closing Prices for the week ending Oct. 12. Th.6. F. 7. Sat. 8.M.10.Tu.11.W.12.	N. Y. Elevated 111 109% 110% 100 109 110%	Norwich&Worcester
Adams Express 137% 139 138% 138%		Ogden & Lake Cham
Albany and Susq	Preferred	Preferred
2d mortgage	1st mortgage, reg 1	Ph., Wil. & Balt. (\$40).
American Express. 90 91 92%	N. Y., Lake Erie & W 42% 43% 44% 44% 43% 43% 1	Portl'd, Saco & Ports 117
Atlantic & Pac. Tel Burl., C. R. & Nor	2d Consolidated., 102% 102 102% 102% 101% 102	Pueblo & Ark Val
- 1st mortgage 5s 100% 100% 101		Pullman Palace Car 128 1 128 127
Canada Southern 59½ 58½ 59½ 59½ 57½ 57½ 1st mortgage guar 99% 99 92½ 97½ 98½ 97%	North Mo. 1st mort 122 121¾	Union Pacific 118% 118% 118 68
Central of N. Jersey 91% 91% 94% 92% 92 92% 1st mort. 1890	Northern Pacific 38 37% 38 37% 37 37 Preferred 77% 77% 78% 77% 77 77%	Land Grant 7s
78, consol. ass 112½ 112½ 113 113 116	Ohio & Mississippi. 41% 42% 44% 43% 43% 43%	Sinking Fund 8s. 121¾ 122 122 122
7s, convertible ass 100 101½ 103	2d mortage	Vermont & Mass
Adjustment 111 110 109% 108 Central Pacific 92% 92% 98% 92% 92% 92% 92%		Worcester & Nashua 65
6s, gold	Pacific Mail S. S. Co 48% 48% 49 48% 48% 48%	Metropolitan(Horse)
1st M. (Cal. and Or.) 105 1/2		Middlesex (Horse)
Land grant 6s	2d mortgage 112	Cal.&Belch.Min'gCo 220 222
Chicago and Alton. 127 1281/2 129 128 1281/2	Phila. & Reading 68 65 64% 62% 63% 65	
Preferred	Pitts,Ft.W.&Chi.gtd 138 138 138 138 138 1st mortgage 138 138	Philadelphia Stock Exchange.
Sinking Fund Chi., Bur. & Quincy 154 154½ 155½ 154½ 158 153½	2d mortgage	Closing Prices for the Week Ending Oct. 11. W.5. Th.6. F.7. Sat.8. M.10.Th.11.
7s, Consol. 1903 131¾ 131¾	Pullman Palace Car 127 1/2 128 127 1/4	Allegh'y Val. 7 3-10s
Chi., Mil. & St. Paul 109% 109% 110% 109 107% 107% Preferred 123% 122 116%	Freierred 57 59 58 58	Camd'n & Am. 5s, '83
1st mortgage, 8s 133 ½	St. Louis & San Fran 40 1/4 44 42 1/4 43 1/4 40 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4	Mort. 68, 1889 1161/4
7s, gold	1st Preferred 105% 106% 106% 107% 105 105	Camden & Atlantic
1st M. I. & M. div.)	St. L., Alt'n & T. H. 52 ½ 50 49 ½ Preferred. 90 91 93	1st mortgage
1st M. (I. & D. ext.) 1st M. (H. &D. div.)		Catawissa
lst M.(C. & M.div.) 124½ Consolidated S. F. 123½ 126 122 122	Income bonds	Preferred 56½
Chi. & Northwestern 122% 122% 123% 122% 122 122%	St. L., Iron Mt. & S	Del. & Bound Brook
Preferred 132½ 135 133½ 133½ 133½	2d mortgage 110 1/2 111 111 1/2	7sElmira&Williamsp't
Consolidated 7s	1st mortgage 1161/2 1151/2 1161/2	Preferred
Consol. Gold bo'ds 124½ 125 124½ Do. reg.	Land Grant 7s	Hunt. & B. Top Mt 14 14 14 14½ Preferred 27 27 26½ 27½ 28½
Chi., R. Isl. & Pac. 132 133 133 133 133 133 133 133 133 133	United States Ex 71 70%	2d mortgage
6s, 1917, c 125	Wabash	68, 1884
1st mortgage	2d mortgage	Gold Loan Railroad Loan 117
Clev. & Pittsburg gr 140 180 180	St. Louis Division 106	Conv. Gold Loan.
4th mortgage 118 Col.,Chi.,& Ind. Cent. 19% 19% 20 19% 20	Wabash, St. & Pac. 47% 48 48% 48% 48 48 Preferred 88 88% 89% 89 88% 88%	Lehigh Valley 60½ 60½ 60¾ 60½ 60% 1st mort. 6s, coup
1st mortgage	New mort. 7s 109¼ 109¼ 110½ Wells-Fargo Ex 129½ 129¾	1st mort. 6s, reg
2d mortgage Del. & Hud Canal. 107% 107% 107% 108% 107% 107	Western Pacific b'ds	2d mort. 7s
Reg. 7s, 1891	Western Union Tel. 84¼ 84 85¾ 84% 84¾ 84¾ 84¾ 78, S.F. conv., 1900	Consol.mtg.6s,reg
78, 1894 1161/4 1161/4	FEDERAL STOCKS :-	Minehill&Sch.Hav'n 61% 61% 61%
Del. Lack & Western 122% 122% 123% 122% 122% 122% 122% 2d mortgage 7s.	U. S. 4s. 1907, coup 116 116 115%	North Pennsylvania 60 59½ 1st mortgage 6s 106
7s, Consol. 1907 126 126 Eric Railway	U. S. 4½8, 1891, reg. 113	2d mortgage 7s
1s mortgage	U. S. 58, 1881, reg 99% 100 100 99% 100 93%	Genl. mtg.7s,coup Genl. mtg.7s, reg
2d mort. 5s, ext	U. S. 6s cont'd at3 1/2 101 1/2	Northern Central. 51½ 51½ 51% 50 5s 99½
4th mort. 5s, ext 5th mortgage	Dt. of Col. 3-65s, reg 107	Northern Pacific 38 37 37% 37% 37% 37% 37%
7s, Consol. gold		Preferred 77% 77% 77% 78% 77% 77% 78% 77% 77% Pennsylvania R. R. 64% 64% 64% 64% 64% 64% 64% 64%
2d mortgage 111	Boston Stock Exchange.	1st mortgage
Hannibal & St. Jo	Prices for the Week Ending Oct. 12.	Gen'l mortgage reg Consol, mort, 6s
8s, Convertible 107 107	Atch Ton & Son Fo 149 1488/ 1491/ 146 146 144	Consol. mort. 6s, reg
Houston & Tex. Cen 84 89 1st mortgage 110 110 110	1st mortgage	Pa.State 6s 2d series do 3d series 101¼
Illinois Central 128 130 130 129 129 129 129 129 129 129 129 129 129	Land Grant 7s	do 5s, new
LakeShore&MichSo 118% 118% 119% 118% 117% 118 Consol. 78	Boston & Albany	Phila. & Reading 341/4 34 321/4 321/4 311/4
Consol. 7s, reg 2d Consolidated.	Boston and Lowell 113 112	1st mortgage 6s
Leh. & W. B. 7s, Con	Boston & Maine 154 154 154 154 Boston & Providence 163	7s, new convert
Long Dock bonds	Bos'n, Hart. & Erie7s 59% 60% 62% 62% 62% 62% 62%	Consol. mort. reg 96 96% 96% 96% 96% 96% 96% 96% 96%
7s, Consolidated	Burl.& Mo.B.L.G.7s	Philadelphia & Erie 22 20% 20%
Manhattan 22¼ 25½ 28 29 29½ 33½ Met. Elevated 84½ 86% 85% 86% 85% 85	6s. exempt	1st mortgage 5s 106 105¼ 2d mortgage 7s
1st mortgage 99 99 99 99% 99	48 90½ 91½	Pittsb., Cin. & St. L. 78 120 119% 119%
Michigan Central. 88 92% 88% 88% 87% 86%	78	Pitts., Titusv. & Buff. 21 ½ 20 ½ 20 ½ 21 20 ½ 20 % 21 78
M. S. & N. I. 1st, S. F Morris & Essex 125½ 122½ 128	Cin., Sand&Clev(\$50) 24 23% 23% 23% Concord (\$50)	Schuylkill Navi't'n
1st mortgage	Connecticut River	6s, 1872
2d mortgage	New 4½ Bonds 110 110 45½ 46 45½	6s, 1882
7s, Convertible	Fitchburg 150	Hestonville, (Horse) 21 20% 21 21
N.Y. Cen. & Hud. B. 187% 137% 138% 137% 136% 136%	Kan.C., Top. & West	Chestnut&Wal.(do)
64, S. F., 1683	. WITH CANTEN	error a compactant

Baltimore Stock Exchange.

Madage	Dulasa	-	42.	West	Planding.	0.4	41
Closing	LALICER	JUT	FLEC	AL COV	Enuing	UCS.	11.

	W.	Th.6	F.7.	Sat.8.	M:10.7	Cu.11.
Baltimore & Ohio		196		*****	195	
6s, 1880 6s, 1885	107%	x107%				106%
Central Ohio (\$50) 1st mortgage		109 3/2				
Marietta & Cincin'ti 1st mortgage, 7s 2d mortgage, 7s 3d mortgage, 8s		123				12234
Northern Cen. (\$50) 2d mort., 6s 1885						50
3d mort., 6s, 1909. 6s, 1900, gold			1143			
6s, 1904, gold						
Orange &lex. 1st 2d mortgage, 6s						
3d mortgage, 8s 4th mortgage, 8s						
O.,Alex.&Manas's 7s						
Pitts.& Connellsv.7s		122				*****
Virginia 6s, Consol. Consol. coupons 10-40 bonds Defer'dCertificates	52%	92% 52%	92%	92%	53	92½ 52¾
Western Maryland			16			
1st M., end. by Balt 2d M., do .						
3d M., do . 1st M., unendors'd						
2d M., end, WashCo						
2d M., preferred City Passenger R E.			****			*****

don Stook Frahence

London Stock Excl	nange		
	Closing	Price	_
Sept		Sept	
Baltimore & Ohio (sterling)113	115	113	115
Cairo & iencennes common stock 50	52	51	53
Do, preferred 5 per cent 93	95	93	95
Central of N. J. \$100 share 93	94	93	94
Do. Cons. Mortgage116	118	116	118
Do. Adjustment Bonds105	110	.105	110
Do. Income Bonds100	103	102	106
Det., G'd Haven & Mil. Equip bds114	116	114	116
Do.Con.M.5p.c.till, '83aft'r6p.c108	110	109	111
Illinois Central \$100 shares135	137	136	138
Lehigh Valley Cons. mortgage118	122	118	122
Louisvill & Nashville mort 6s110	112	110	112
Do. Sink. Fund bds (S.&N.Ala)105	107	105	107
Do. capital stock \$100 shares. 99	101	101	103
N. Y. Cent. & Hud. R. mt. bds137	140	137	140
Do. \$100 shares147	149	148	149
Do mort. bonds (stg.)122	124	122	124
N.Y. Lake Eric & West., \$100 shs 45	45%	47%	4834
Do. 6 p. c. pref. \$100 shares 91	93	92	94
Do. 1st Con. Mort. bds (Erie) .130	132	130	132
Do. do. Funded Coupon bds.125	128	125	128
Do. 2d Consol Mort. bonds105	107	106	108
Do. do. Funded Coupon bds 102	104	103	105
Do. Gold Income bonds 90	95	93	98
N.Y., Pa.& Ohio 1st mort. bonds. 54%	55%	5634	5736
Do. Prior Lein bds (sterling)105	110	106	110
Pennsylvania, \$50 shares 66%	6736	67%	6814
Do. Con. Sink Fund Mort121	123	121	123
Philadelphia & Reading \$50 shs 33	33 1/4	36	361/4
	118	116	118
General Consol Mortgage116	107%	106%	10736
Do. Improvement Mortgage106%	98	98	100
Do.Gen.Mtg.'74,ex-deferd cop. 96	96	94	98
Do. Scrip for the 6 def. u. 1. 93	109	105	109
Pittsb., Ft. W. & Chi. Eq. bds105	126	126	128%
St. L. Bridge 1st mort. goldb'd124	105	102	
Do. 1st pref. stock102	119	115	105
Union Pa. Land Gant 1st. mtg115	113	110	119

AMERICAN RAILROAD JOURNAL

Financial and Commercial Review.

THURSDAY EVENING, Oct. 13, 1881. The quotation for money this morning on acceptable Stock Exchange collateral was 5@6 per cent, in the afternoon it was 5 per cent; but in the last hour it fell to 3@4 per cent.

The posted rates for prime bankers' sterling were 4.791@4.831; the actual rates were 4.781 4.79 and 4.82½@4.83. Cable transfers were 4.834@4.84, and prime commercial bills were 4.763@4.77. The actual rates for Continental exchange are as follows: francs, 5.28 @5.25; marks, 935@941, and guilders, 391@391.

Under date October 10th notice is given by the Secretary of the Treasury that on and after Monday, the 17th inst., United States bonds embraced in the 105th call will be redeemed at

amount of \$5,000,000, with interest to the date of payment. The weekly purchases at the Sub-Treasury in New York will continue as heretofore authorized.

The total outstanding funded indebtedness of the District of Columbia and late corporation of Washington now amounts to \$21,896,-450, of which \$10,013,000 is registered and \$11,-883,450 coupon bonds and stocks.

The proposals to sell the government 31 per cent bonds (extended fives and sixes) at par and accrued interest were present at the Sub-Treasury at noon on Monday the 10th inst., and aggregated \$8,730,150. Only \$2,000,000 of the bonds were accepted, of which \$254,500 were extended fives.

By referring to the Statement of the Secretary of the Treasury, given in another column, it will be seen that the total debt of the United States on the 30th of September was \$2,049,542,473 09, less cash in the Treasury \$250,686,547 32, leaving net \$1,798,855,925 77. Since 1st of September the debt has been reduced \$17,483,-641 66, and since the 1st of July last \$41,742,-886 21. Of the bonded debt \$10,829,350 bears 5 per cent interest, \$250,000,000 bears 41per cent, \$739,347,800 bears 4 per cent, \$578,925,100 bears 31 per cent, and \$14,000,000 (navy pension fund) bears 3 per cent. Interest has ceased upon \$10,039,595, and \$431,553,392 bears no interest, being in the form of certificates of deposit gold and silver certificates, legal tender notes, etc. Of the cash in the Treasury there is \$160,024,648 34 in excess of current liabilities. In addition to the debt enumerated above there are outstanding \$64,623,512 bonds issued to Pacific Railroad companies, and known as the currency 6s.

The payments made from the United States Treasury in September, exclusive of interest or principal of the public debt, were on account of civil and miscellaneous, \$23,804,284 58; war, \$4,090,447 84; navy. \$1,183,701 23; Interior (Indians) \$663,997 31, and do. (pensions) \$3,550,-864 86-total, \$13,293,295 82.

The amount of United States old and legal tender notes outstanding is \$346,741,056, and of fractional currency \$8,375,934-total, \$355,-116,990. The amount of the National bank circulation outstanding is \$357,770,490 currency, and \$980,450 gold notes.

The closing quotations on Thursday were: Adams Express, 138@140; American Express, 915@93; American District Telegraph, 49@52; Chicago, Burlington and Quincy, 1543 @ 154; Canada Southern, 585@59; Chicago and Northwestern, 123\(\frac{3}{8}\)@123\(\frac{1}{2}\); do. pref., 134\(\frac{1}{2}\)@134\(\frac{3}{4}\); Chicago and Alton, 1292@130; Central of New Jersey, 931@935; Chicago and Rock Island, 133@ 134; Central Pacific, 943@945; Chicago, Milwaukee and St. Paul, 1083@109; do. pref., 121@122; Chicago, St. Louis and New Orleans, -@-; Cleveland, Columbus, Cincinnati and Indianapolis, 921@93; Columbus, Chicago and Indiana Central, 201@201; Delaware and Hudson Canal, 1071@1071; Delaware, Lackawanna and Western, 123@123\ ; Hannibal and St. Joseph, 97@981; do. pref., 1147@1151; Southern, 1193@1191; Metropolitan Elevated,

igan Central, 88% @881; New York Elevated, 111@112; New York, Lake Erie and Western, 443@445; do. pref., 871@88; New York Central and Hudson River, 1381@1381; Ohio and Mississippi, 431@431; do. pref., 104@110; Ohio Central, 268(a)261; Texas and Pacific, 491(a) 491; Union Pacific, 1188@1184; United States Express, 70½@71; Welsl-Fargo Express, 130@ 131; Western Union Telegraph, 861@861; Wabash, St. Louis and Pacific, 487@49; do. pref., 891@891.

The following quotations of sales of Railway and other securities, for the week, are in addition to those given elsewhere in our columns

New York.-Atchison, Colorado and Pacific 1st, 1001; Boston and New York Air Line, 661; Carolina Central 1st, 100; Cairo and Fulton 1st, 110; Cedar Falls and Minnesota, 22; Chicago, St. Paul, Minneapolis and Omaha, 401; do. pref., 1011; do. consol., 1023; Chesapeake and Ohio 1st pref., 381; do. 2d pref., 301; do. cur. int., 56; do. 1st, series B, 841; Chicago, St. Louis and New Orleans, 791; Columbus, Chica. go and Indiana Central Income, 75; do. 1st Trust Co. certif., ass. sup., 118; Cleveland, Columbus, Cincinnati and Indianapolis consol. 120; Chicago, Milwaukee and St. Paul 1st, Chicago and Pacific div., 98; do. Southwestern div., 1st, 106; do. Southern Minnesota div. 1st, 1042; do. La C. and Dav. div., 942; Denver and Rio Grande, 794; do. 1st, 1164; do. 1st consols, 1091; Denver, South Park and Pacific 1st, 1051; East Tennessee, Virginia and Georgia, 143; do. pref., 251; do. inc., 51; Galveston, Houston and Henderson 1st, 80; Houston and Texas Central 1st, Western div., 109; International and Gt. Northern 1st, 110; Indiana, Bloomington and Western, 41; do. inc., 95; 1st, 2d, 78; Indianapolis, Decatur and Springfield, 1st, 1021; do. 2d inc., 60; Kansas Pacific 1st consol., 107; do. guar. 6s, 83; do. 6s, Denver div. ass., 110; Keokuk and Des Moines 1st, 1021; Lafayette, Bloomington and Muncie 1st, 107; Louisville, New Albany and Chicago 1st. 104; Lake Erie and Western, 421; do. inc., 65; do. 1st, 1071; Louisville and Nashville gen'l mort. 6s, 105; do. 2d, 105; Lehigh and Wilkesbarre consol, ass., 108; Minneapolis and St, Louis 1st, Iowa Ext., 1111; Mobile and Ohio, 34½; do. 1st deben., 99; 2d deben., 72; do. 1st mort., 1131; Missouri, Kansas and Texas, 381; do. consol., 7s, 005; do. 2d, 80; Missouri Pacific, 1041; do. 1st consol., 106; Milwaukee, Lake Shore and Western, 461; do. 1st, 1051; Manhattan Beach, 18; Marietta and Cincinnat 1st pref., 17; do. 2d pref., 10; Memphis and Charleston, 73; Metropolitan Elevated 2d. 88; Milwaukee and Northern 1st, 100; Michigan Central 5s, 981; New York, Ontario and Western, 311; New Jersey R. R. and Transp. Co., 185; Nashville, Chattanooga and St. Louis, 81; Northern Paific 1st, 103; Nevada Central 1st, 100; New York City and Northern Gen'l mort... 89; New Orleans Pacific 1st, 96; Ohio Central, 25½; do. inc., 50; do. 1st, 96½; Ohio Southern, 181; do. 1st, 90; Oregon Railway and Nav., 154; Ohio and Mississippi 1st, Springfield div., 1161. Peoria, Decatur and Evansville, 384: do. Illinois Central, 1301@1301; Lake Erie and do. 1st, 1071; Rochester and Pittsburg, 261; Western, 441@434; Lake Shore and Michigan do. 1st, 102; do. inc., 404; Richmond and Alleghany, 35; Rome, Watertown and Ogdensthe Treasury Department in Washington to the 87@871; Manhattan Elevated, 441@45; Mich. burg, 30; do. 1st consol., 90; St. Paul and Sioux ity 1st, 110%; St. Paul, Minneapolis and Manitoba, 102; do. 1st, 112; St. Paul and Duluth pref., 791: St. Louis, Kansas City and Northern, R. E. 7s, 122; do. Omaha div. 1st, 114; St. Louis and San Francisco 2d, class B, 91; do. Equip., 105; St. Louis and Iron Mountain 2d pref. inc., 90; St. Louis, Alton and Terre Haute div. bonds, 60; Texas and Pacific, 48; do. inc. L. G., 71: do. Rio Grande div., 881; Toledo, Delphos and Burlington, 24; Union Pacific, Collateral Trust, 1081; Wabash, St. Louis and Pacific Gen'l mort. 6s, 100; do. chicago div., 811; Alabama, Class A, 781; Arkansas 7s, L. R., P. B. & N. O., 25; Georgia 7s, gold, 117; Louisiana 7s, consol., 56; Missouri 6s, 1888, 109: do. 6s, 1882 and 1883, 102; do. 6s, H, & St. J. issue 1886, 1073; North Carolina consol. 4s, 88; do. S. T. 3d class, 21; South Carolina 6s, non-fundable, 121; Tennessee 6s, old, $69\frac{1}{2}$; do. new, $69\frac{1}{2}$; American Dist. Telegraph, 49; Colorado Coal and Iron, 49; Cam. Coal, 38; Maryland Coal, 23; New Central Coal, 25; Sutro Tunnel, 11; Central Mining, 13; Deadwood, 6; Excelsior, 21; Little Pittsburg, 21; Standard, 21.

Philadelphia.—American Steamship Co. 6s, 108; Buffalo, Pittsburg and Western pref., 30; Central Transportation, 40; Chesapeake and Delaware Canal 6s, 90; Nesquehoning Valley, 57½; Philadelphia and Trenton, 186½; Pennsylvania Company 42s, 1001; People's Passenger 5s, 1021; Philadelphia, Germantown and Norristown, 1091; Susquehanna Coal 6s, 112; Shamokin, Hazleton and Wilkesbarre 5s, 991; Texas and Pacific consol. mort. 6s, 101; West Jersey and Atlantic 1st, 1071; West Jersey 1st, 120. The latest quotations are: City 6s, 110@ 124; do. free of tax, 127@128½; do. 4s, new, 102 @113; Pennsylvania State 6s, 3d series, 1011@ 1011; do. 5s, new, loan, 117@1191; do. 4s, new, 110@114; Philadelphia and Reading R. R., 311 @314; do. consol. mort. 7s, reg., 123@1251; do. mort. 6s, 122@125; do. gen'l mort. 6s, coupon, 961@963; do. 7s, 1893, 123@125; do. new, conv., -@69; United New Jersey R. R. and Canal, 187 @ 188; Buffalo, Pittsburg and Western, 201@21; Pittsburg, Titusville and Buffalo 7s, 961@963; Camden and Amboy mort. 6s, 1889. 116@1161; Pennsylvania R. R., 641@657; do. general mort. coupon, 122@127; do. reg., 125 @—; do. consol. mort; 6s, reg., —@128; Little Schuylkill R. R. 56@561; Morris Canal pref., 160@-; Schuylkill Navigation, 6@7; do. pref., 13@14; do. 6s, 1882, 90@923; do. 1872, 1071@ -; Elmira and Williamsport pref., 55@60; do. 6s, 110@-; do. 5s, 100@-; Lehigh Coal and do. R. R. loan, 117@118; do. Gold Loan, 112 @1141; do. consol. 7s, -@119; Northern Pacific, 371@371; do. pref., 77@771; North Pennsylvania, 59@60; do. 6s, 105@1081; do. 7s, 123@123; do. General mort. 7s, reg., 120 @124; Philadelphia and Erie, 201@201; do. 7s, -@118; do. 5s, -@105\(\frac{2}{3}\); Minehill, -@61\(\frac{2}{3}\); Catawissa, 181@181; do. pref., 561@57; do. new pref., 541@56; do. 7s, 1900, 118@119; Lehigh Valley 60 8 @ 60 4; do. 6s, coupon, -@ 127; do. reg., -@125; do. 2d mort. 7s, 133\@135; do, consol. mort. -@118; Fifth and Sixth stracts (horse), 136@150; Second and Third, 110@115; Thirteenth and Fifteenth, 79@80; Spruce and Pine, 45@50; Green and Coates, 601.23.

90@100; Chestnut and Walnut, 94@98; Hestonville, 20@21; Germantown, -@80; Union, 110@125; Lombard and South, 247@251; West Philadelphia, -@110; People's -@32; Continental, 105@108.

Boston.-Atlantic and Pacific 6s, 98 do. Income 6s, 43½; Boston Land, 8½; Boston Water Power, 73; Burlington and Missouri River in Nebraska 6s, non-exempt, 1051; Boston, Revere Beach and Lynn, 125; Boston, Clinton, Fitchburg and New Bedford, 49; Connotton Valley, 22; do. 7s, 99; Connotten Valley and Straitsville 7s, $84\frac{1}{2}$; Flint and Pere Marquette, 29; do. pref., 99; Iowa Falls and Sioux City, 84; Kanses City, Lawrence and Southern 5s, 107; Kansas City, Fort Scott and Gulf 7s, 110; Little Rock and Fort Smith, 691; do. 7s, 1131; Mexican Central Block, old Series, 91; do. new, 90; do. 7s, 882; Massachusetts Central 6s, 98; Maine Central, 54; New England Mortgage Security 7s, Series D, 1061; New York and New England 6s, 1083; Northern Pacific 6s, 1012; New Mexico and Southern Pacific 7s, 117; Ogdensburg and Lake Champlain 6s, consol., 1001; Portsmouth, Great Falls and Conway, 30; Pullman Palace Car 7s, 106; Republican Valley deferred, 119; Rutland, 51; do. pref., 271; Summit Branch, 17; South Boston Horse, 71; Toledo, Delphos and Burlington, 101; do. Income, Dayton div., 35; Wisconsin Central, 23; 1st series, 78; do. 2d, 45; Wisconsin Valley 7s, 114; Allouez Mining Co., 31; Atlantic, 15; Blue Hill, 3; Brunswick Antimony, 63; Catalpa, 11; Crescent, 1; Copper Harbor, 11; Douglas, 13; Duncan, 50c.; Franklin, 12½; Harshaw, 5; Huron, 3½; Indian Queen, 2½; National, 2½; Napa consol. Quicksilver, 6½; Osceola, 29½; Pewabic, 13; Ridge, 4½; Silver Islet,

ceoia, 29; Fewadic, 15; Midge, 42; Silver Islet, 28; Sullivan, 3½.

Battimore.—Atlantic Coal, 1.30; Baltimore and Ohio 1st pref., 125½; Baltimore City 6s, 1902, 130; do. 6s, 1890, 117; do. 6s, 1900, 130½; do. 5s, 1894, 118½; do. 5s, 1916, 126; Chesapeake and Ohio Canal, 40½; Columbia and Greenville 1st, 103; George's Creek Coal, 100½; Maryland Defense 6s, 106; Norfolk Water 8s, 130½; Richmond, and Denville 98; Virginia Pealers, 403. mond and Danville, 98; Virginia Peelers, 403; Virginia Midland 2d mort., 1081; do. 5th mort., 93; Wilmington and Weldon, 1173; Wilmington, Columbia and Augusta, 109.

Railroad Earnings.

THE earnings of the Central Pacific Railroad company for the month of September, 1881, were \$2,293,000, against \$1,964,996 for the month of September, 1880, an increase of \$328,004. For the first nine months of 1881 the earnings were \$17,004,544, against \$14,283,-195 for the corresponding period of 1880, an increase of \$2,721,349.

THE gross earnings of the New York and New England Railroad company for the month of August, 1881, were \$280,523.78, the operating expenses \$174,751.78, and the net earnings \$105,772.

THE earnings of the St. Paul Minneapolis and Manitoba Railroad company for the week ending September 30, 1881, were \$142,887.92, against \$83,043.03 for the same week in 1880, and increase of \$59,844.89. For the four weeks ending September 30, 1881, \$485,735.77; same period in 1880, \$274,187.94; increase, \$211,-547.83. From January 1 to September 30, 1881, \$3,236,459.37; corresponding period of previous year, \$2,216,858.14, an increase of \$1,019,-

THE earnings of the Denver and Rio Grande Railway company for the first week in October, 1881, were \$159,127; same week last year, \$106,-576; increase, \$52,551.

THE earnings of the Union Pacific Railway company the first week in October, 1881, were \$829,113; for the same period in 1880, \$584,953; increase, \$244,160. From January 1 to October 7, \$19,950,802; same time 1880, \$17,204,655; increase, \$2,746,147.

THE earnings of the Milwaukee, Lake Shore and Western Railroad company for the first week in October, 1881, were \$18,414; same period in 1880, \$8,394; increase \$10,020.

THE earnings of the Houston and Texas Central Railway company for the third week in September, 1881, were \$88,336.06; for the same period in 1880, \$96,162.71; decrease, \$7,826.65. From January 1 to September 22, 1881, \$2,554,-922.55; same time 1880, \$2,280,371.93; increase, \$274,550.62.

Illinois Central Railroad.

During the month of September, 1881, the traffic on the lines operated by this company

п	was, (estimated).		
	In Illinois	619,669 193,941	00
	Total	813,610	00

The traffic for the same month in 1880, on the same mileage, was (actual):

In Illinois In Iowa (leased line	8)		 		 	 		 	. 4	628,725 178,111	28 24
Total		 	 	 			 		. 1	\$806,836	52

During September 1881, the land sales were 4,604.09 acres for \$18,111.51 and the cash collected on land contracts was \$18,293.31.

L. A. CATLIN, Secretary.

Interest and Dividends.

THE Baltimore and Ohio Railroad company has declared cash dividends of 5 per cent. on the stock of the main stem and of the Washington Branch, payable on the 1st of Novem-

THE Wabash, St. Louis and Pacific Railway company has declared the regular quarterly dividend of 11 per cent. on the preferred stock, payable November 15.

THE Directors of the New Bedford and Fairhaven Street Railway company have voted a dividend of 41 per cent. from the earnings of the past six months.

AT Buffalo, N. Y., on the 8th inst., in the case of Henry Clews vs. W. L. Sessions et al., for \$30,000 damages for malicious prosecution, the jury rendered a verdict for the plaintiff in the sum of \$12,000.

Dividend Notices.

THE LAKE SHORE AND MICHIGAN SOUTHERN RAILWAY COMPANY,
TREASURER'S OFFICE, GRAND CENTRAL DEPOT. |
NEW YORK, September 27, 1881.

The Board of Directors of this Company have this day declared a quarterly dividend of TWO Per Cent upon its capital stock, payable on TUESDAY, the first day of November next, at this office. The transfer books will be closed at 3 o'clock, P. M., on Saturday, the first day of October next, and will be reopened on the morning of Friday, the fourth day of November next.

E. D. WORCESTER, Treasurer.

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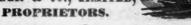
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